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## PIPE: Pest Information Platform for Extension and Education

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## Related Articles

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**October 1, 2007**

Summer scouting in

## PIPE: Pest Information Platform for Extension and Education

*by Daren Mueller, Department of Plant Pathology, and Carol Pilcher, Department of Entomology*

The arrival of soybean rust in the fall of 2004 set in motion an unprecedented coordinated effort of education, research, monitoring, and information distribution. The Pest Information Platform for Extension and Education (PIPE) was developed to provide electronic access to distribution data for soybean rust. In 2006, soybean aphid was added to the system and in time, other crops and pests will be added to PIPE. The PIPE Web address is [www.sbrusa.net](http://www.sbrusa.net).

Iowa State University has participated in this innovative monitoring and information exchange program. During the 2006 growing season, 21 sentinel plots were observed for soybean rust and 78 field sites were observed for soybean aphid, and the data were entered into PIPE. Sentinel plots for soybean rust were observed from beginning of June through the end of September. The sampling observations for soybean aphid occurred during a nine-week period when Iowa soybean was at the most risk to aphid injury. For rust, the sentinel plot system will again be in place in 2007, and data will be entered into PIPE, not just for Iowa, but also for locations across the soybean-growing area in the United States. Plans are underway to conduct soybean aphid sampling during the 2007 growing season and determine the usefulness of PIPE for providing information on an insect pest.

### What information does PIPE provide?

- **Observational maps**--The latest distribution of either soybean rust or soybean aphids can be viewed in the center map.
- **National and state commentary**--Information on the distribution of rust or aphids and other pertinent information can be viewed in the commentary below the observational map. To view state commentary, zoom into desired state.
- **Archived maps**--Maps of the distribution of rust and aphids can be viewed from previous dates by clicking on the calendar on the left side of the page.
- **Update maps**--The state update maps can be found on the right side of the page, and they indicate when the states last upload data or change state commentary.
- **Good Farming Practices (GFP) tool**--If a grower is insured under the federal crop insurance program, they are required to follow good farming practices in the management of an insured crop. This tool will help with documenting actions taken to fight diseases and pests. This tool can be found in the lower right corner of the page.
- **Useful links**--On the lower left of the page, useful links are listed. When viewing individual state commentary, state-specific links may be available.

soybean: Top dieback and other diseases  
**August 6, 2007**

Aphids attack!  
**August 6, 2007**

Extension agronomists update soybean aphid situation  
**July 30, 2007**

Newly revised aphids publication available  
**July 23, 2007**

Soybean rust update and outlook  
**July 23, 2007**

Mid-July soybean aphid update  
**July 16, 2007**

Soybean aphids exceed the economic threshold in northeast Iowa  
**July 9, 2007**

Monitor soybean aphid populations on PIPE  
**July 2, 2007**

USDA United States Department of Agriculture Pest Information Platform for Extension and Education

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SB Rust Observation - 2007-03-15 Last Update: 03/15/07

Sign Up For Alerts Mar 15, 2007  
Legumes/Kudzu  
Soybean Rust

SB Rust Observation  
SB Rust State Update

Chronology of Positive Detections  
SBR Forecast Click For Details...

Management Toolbox  
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Printable Map Legend

National Soybean Rust Commentary (updated: 03/14/07)  
A recently released report from Iowa indicates that rust pustules and spores were found on a single leaf retrieved from a bin of 2006 soybeans. The soybeans were harvested in Mahaska County in southeast Iowa. Please read Iowa's press release, available when you zoom in to Iowa, for more information.

Warmer temperatures have increased the growth of kudzu in the south. A number of soybean sentinel plots have been planted and emerged (especially in MS). Scouting efforts continue on new growth of kudzu vines. Soybean rust has been detected on kudzu in eight counties in Florida and in five counties in Georgia and Alabama. The disease was also detected on soybeans in one county in Texas. There have been no reports of soybean rust surviving the winter in Louisiana, Mississippi, or South Carolina. Scouting efforts have increased on kudzu and newly emerged soybeans.

Terms and Conditions Sources of Geographic Data

*Daren Mueller is an extension plant pathologist with the Iowa State University Corn and Soybean Initiative and the Pest Management and the Environment Program. Carol Pilcher is the interim director of Iowa State University Extension's Pest Management and the Environment Program and coordinator of the Integrated Pest Management Program.*

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